

California Energy Commission



| | |
|---------------------------|---|
| CLASSIFICATION: | Electric Generation System Program Specialist I |
| TENURE/TIME BASE: | Permanent/Full Time |
| SALARY: | \$8,314 - \$10,402 (plus an additional recruitment and retention pay of \$300 per month) |
| LOCATION: | Energy Assessments Division, Supply Analysis Office Sacramento |
| FINAL FILING DATE: | April 29, 2019 |

The Energy Assessments Division consists of a multi-disciplinary staff of economists, engineers, and scientists responsible for developing methodologies, models, and data for analyzing energy supply and demand. The Supply Analysis Office (SAO) conducts assessments of the electricity and natural gas systems, as well as the transportation fuels infrastructure, and the demand for petroleum, renewable, and alternative fuels.

The Supply Analysis Office provides critical information and independent, objective analyses of the electricity and natural gas markets, electric and natural gas systems operations, and electric, natural gas and environmental resource issues. Major office activities include energy data collection, analysis of and reporting on energy trends and prices, technical scenario modeling, and making recommendations to improve functions of electricity and natural gas systems and markets and to promote sound public policy. The Natural Gas Unit's work includes assessing the interaction between the natural gas and electricity sectors, the effects of changes in generation fuels markets on electricity generation markets, and preparing estimates of future generation fuels consumption and prices under various policy scenarios.

JOB DESCRIPTION: Senate Bill 100 (De León, Chapter 312), enacted in May 2018, calls for 100 percent clean renewable energy by the year 2045 as a strategy for reducing greenhouse gas emissions in California. This new policy will significantly affect natural gas use for power generation in the state, as SB 100 calls for energy companies to capture uncontrolled methane emissions from dairies, landfills, and wastewater treatment plants and use these clean renewable fuels to replace natural gas. As the lead modeler and subject matter expert for the natural gas unit, the incumbent is responsible for incorporating new scenarios under SB 100 into the North American Gas-Trade (NAMGas) model. In addition, the incumbent is the primary contact for high-level inquiries relating to the role of natural gas, as well as issues relating to price, supply, and demand. The incumbent oversees natural gas modeling assessments and facilitate accurate, timely, and complete products for use in California's Energy Demand forecast, EAD's electricity production model, and others. The incumbent communicates objective findings from technically complex analyses to decision-makers, other government agencies, and the public to support the Energy Commission in its role as the state's primary energy planning agency. Among other duties the incumbent:

- Plans, organizes, and conducts complex economic and engineering assessments of natural gas production, demand, and price trends in North America and California using the NAMGas model. Oversees a technical team and provide direction on research topics and data inputs for the NAMGas model. Under the direction of SAO management and the Lead Commissioner, independently identifies and organizes new and emerging natural gas modeling scenarios to account for declining role of natural gas in California under SB 100. Consults with natural gas contractor on major trends and evaluates impacts from unexpected

events. Plans and conducts modeling runs, analyze complex technical results, and reviews data inputs and spreadsheets provided by technical staff. Identifies and adjusts inputs and assumptions to achieve targeted results. Communicates results to management and Lead Commissioner for guidance and approval for inclusion in the Integrated Energy Policy Report. Transmits NAMGas assessment results as inputs for other major modeling projects within the Energy Commission. Serves as the Energy Commission technical expert and representative on natural gas production, demand, and price trends and issues.

DESIRABLE EXPERIENCE/QUALIFICATIONS: The successful applicant should have:

- Excellent interpersonal, organizational, and leadership skills. Ability to coordinate interdisciplinary projects and staff, at times dealing with competing work priorities and deadlines. Ability to effectively work and lead others within a team environment while under pressure, and maintain positive and constructive work relationships with others.
- Excellent written and oral communication skills. Ability to effectively communicate with others. Ability to effectively write, review, and edit technical program information. Ability to gather, compile, analyze, interpret and communicate written and numerical research data.
- Excellent analytical skills and the ability to reason logically and creatively while analyzing a variety of analytical techniques.
- Proficiency on a personal computer and familiarity with word processing, data base management, spreadsheets, models, and graphics.

WHO MAY APPLY: Eligible candidates who are current state employees with status in the above classification, lateral transfers from an equivalent class who meet the minimum qualifications of this classification, former state employees who can reinstate into this class or persons who are reachable on a current employment list for this classification. Appointment is subject to the provisions of the SROA process: SROA/SURPLUS/ REEMPLOYMENT candidates are encouraged to apply and must attach a copy of their status letter in order to be considered. Applications will be screened and the most qualified may be contacted for an interview.

Interested applicants must submit a completed Standard State Application (Form STD. 678) with an original signature, to the contact/address listed below. **You must clearly indicate the basis of your eligibility (i.e., list, transfer, SROA/Surplus, reinstatement, etc.), RPA #810-287 and Position #8100-4847-006 in the “Explanation Section” of the STD. 678.**

Please Note: Possession of the minimum qualifications will be verified prior to the interview and/or appointment. If it is determined an applicant does not meet the minimum qualifications, the application may be forwarded to the State Personnel Board for review and the applicant's name may be removed from the eligibility list.

SUBMIT APPLICATIONS TO:

Personnel Services Office
ATTN: RPA #810-287
1516 9th Street, MS-3
Sacramento, CA 95814

View full Duty Statements:

<https://www.energy.ca.gov/careers/jobs.php>

For additional questions regarding this recruitment, you may contact (916) 654-4309 or email personnel@energy.ca.gov.

California Relay (Telephone) Service – TDD Phones: 1-800-735-2929 and Voice Phones: 1-800-735-2922